

FIG. 1

100 OPTICAL TRANSMISSION SYSTEM
(FOR SHORT-HAUL APPLICATIONS)

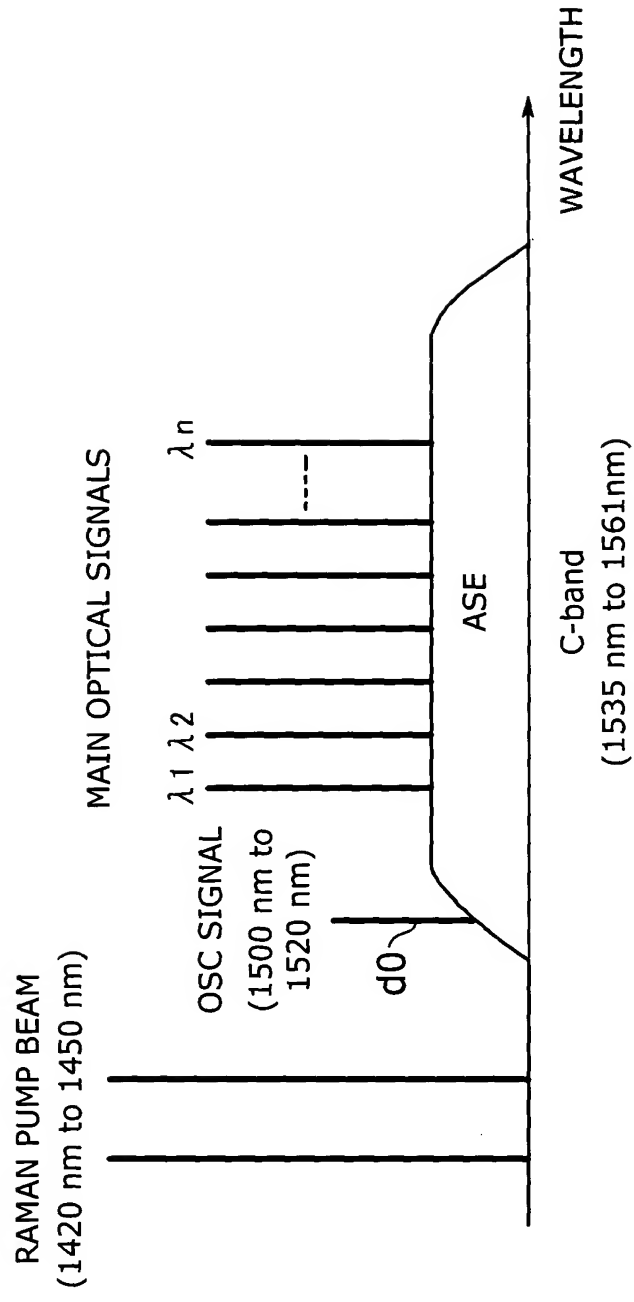


FIG. 2

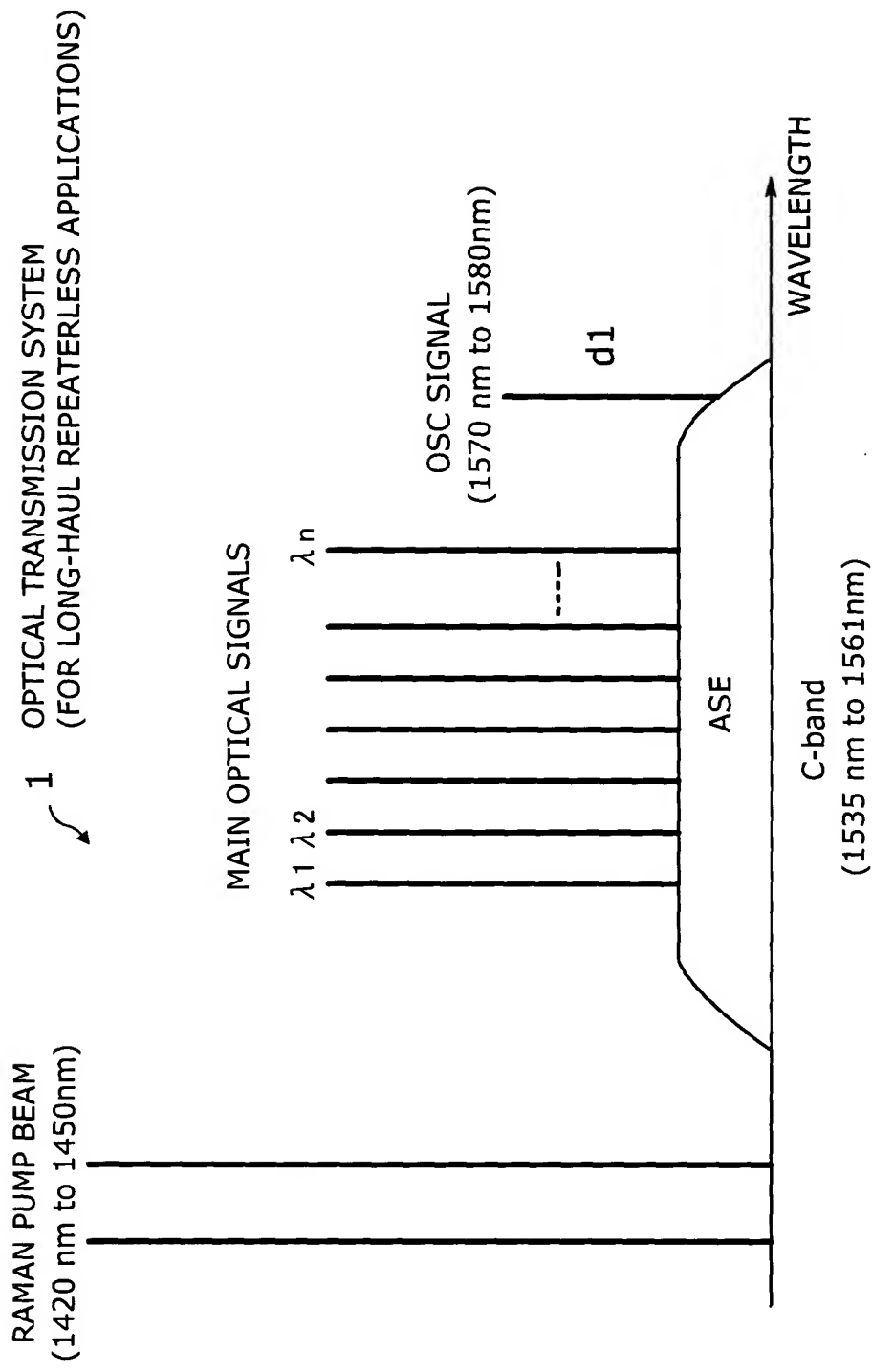


FIG. 3

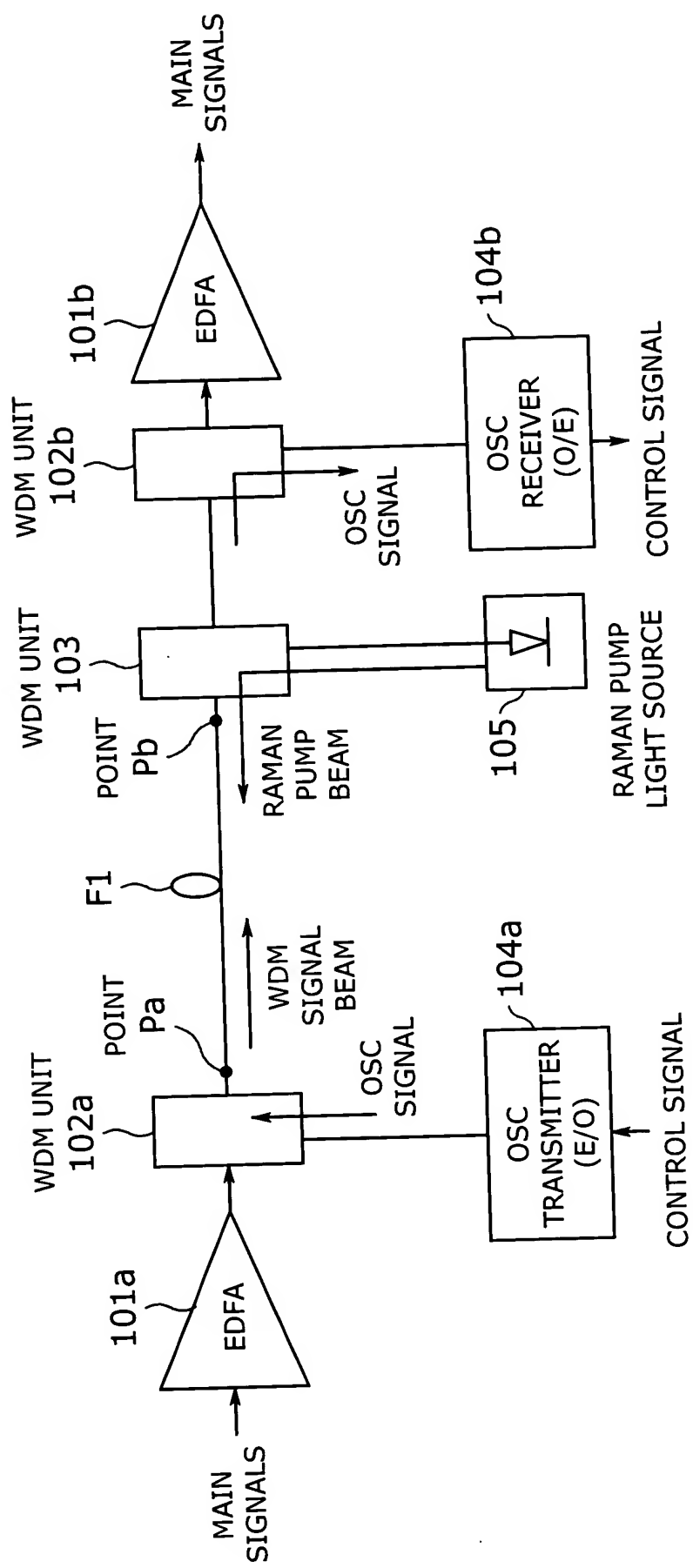


FIG. 4

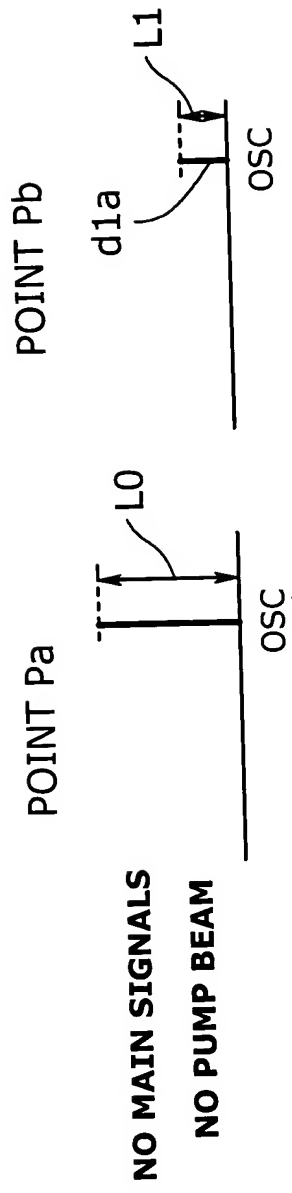


FIG. 5

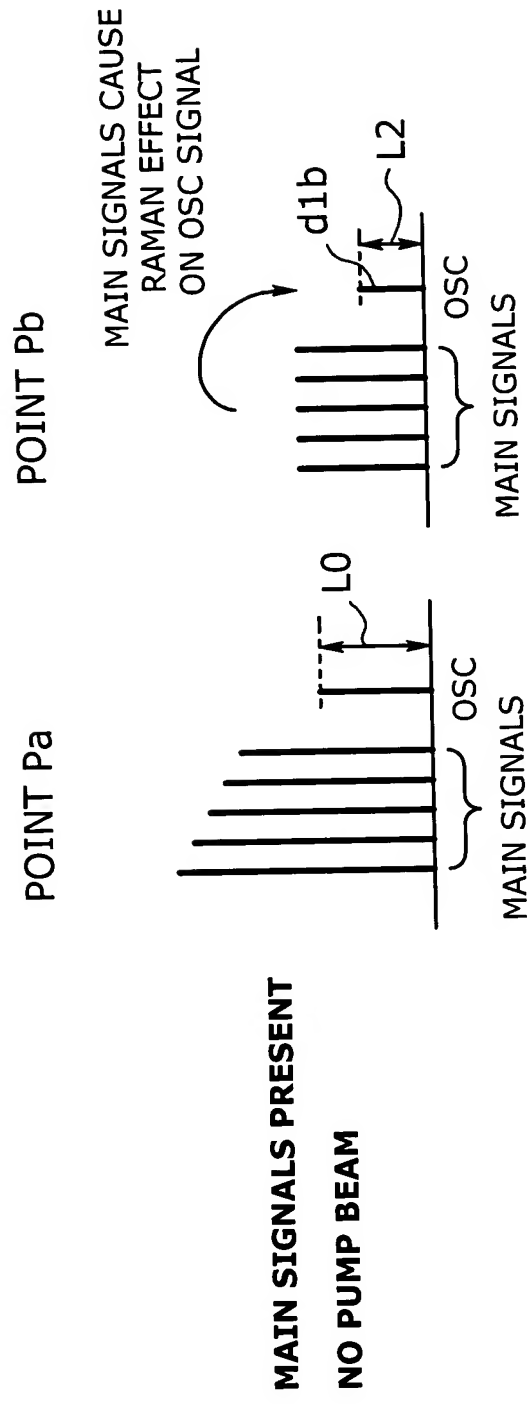


FIG. 6

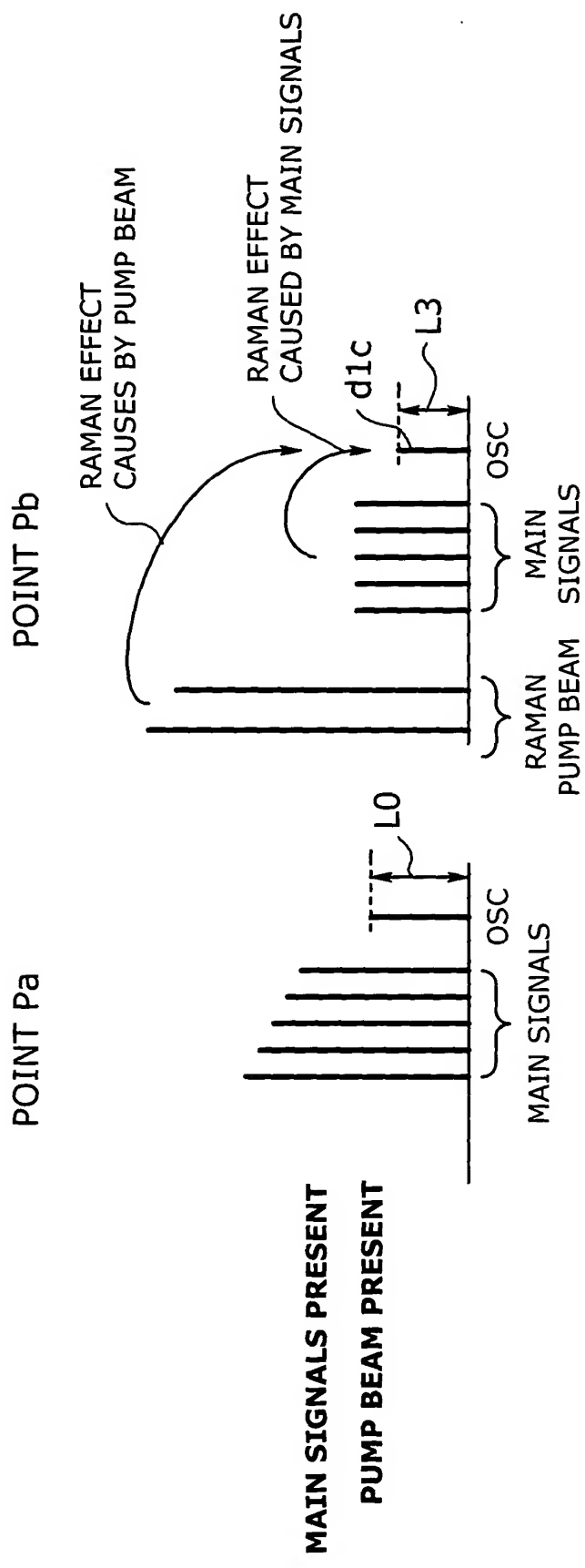
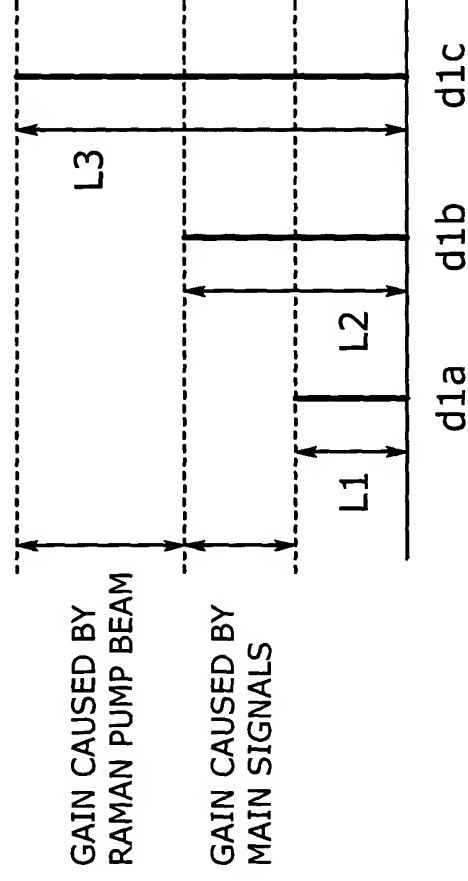


FIG. 7



L1: NO AMPLIFICATION (NO COMPENSATION FOR TRANSMISSION LINE LOSS)

L2: LEVEL L1 + AMPLIFICATION EFFECT OF MAIN SIGNALS

L3: LEVEL L1 + AMPLIFICATION EFFECT OF MAIN SIGNALS AND RAMAN PUMPING LIGHT

FIG. 8

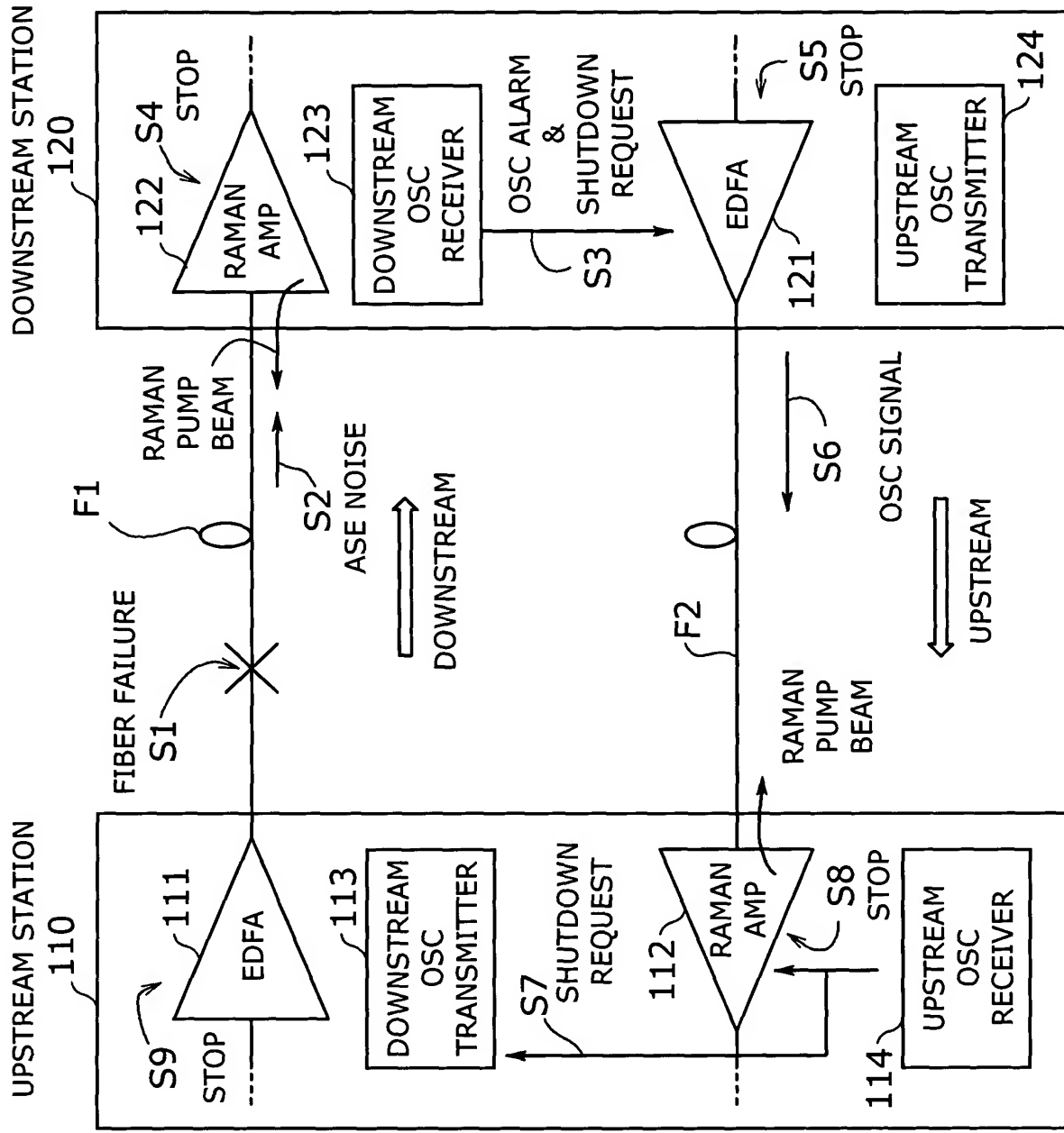


FIG. 9

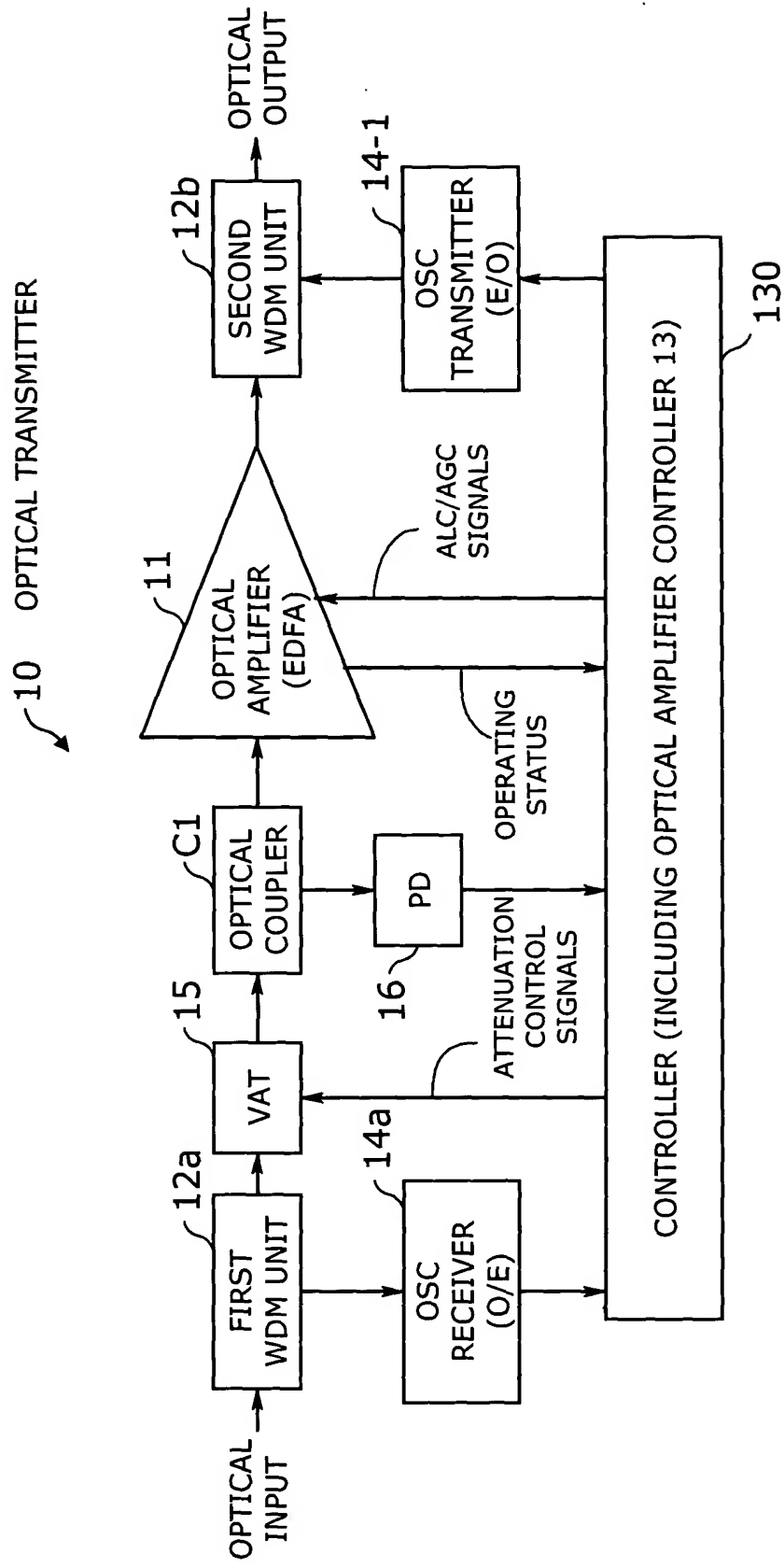


FIG. 10

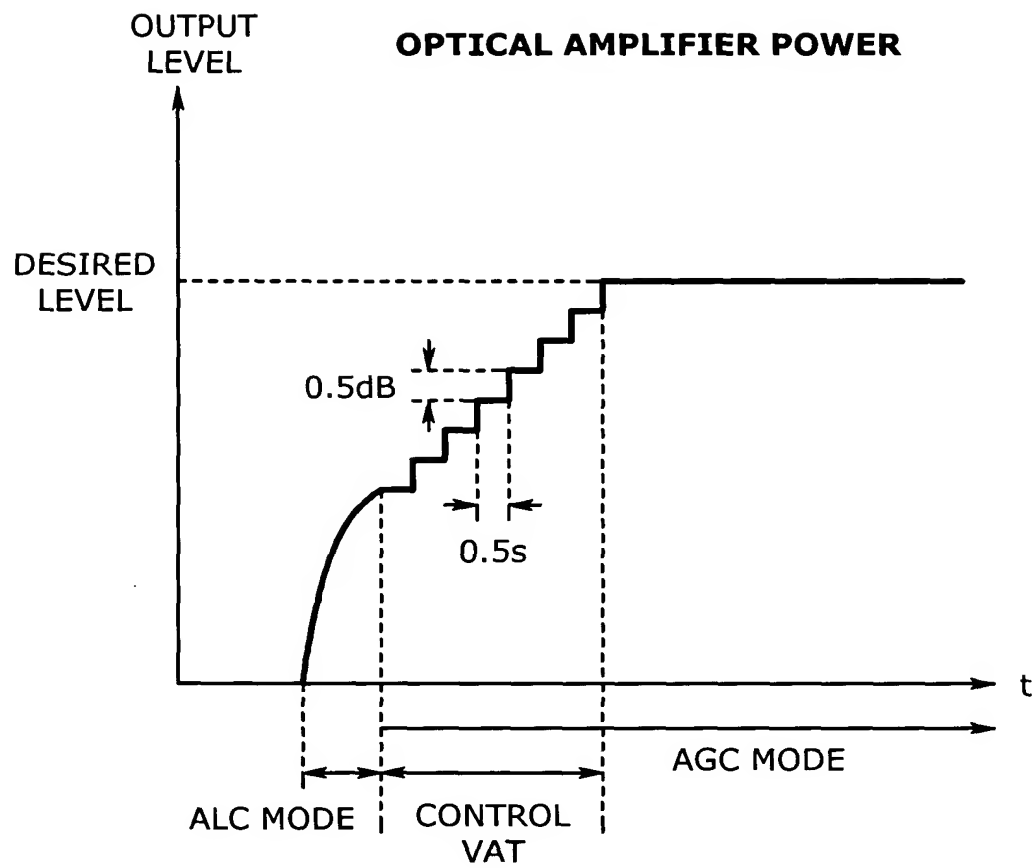


FIG. 11

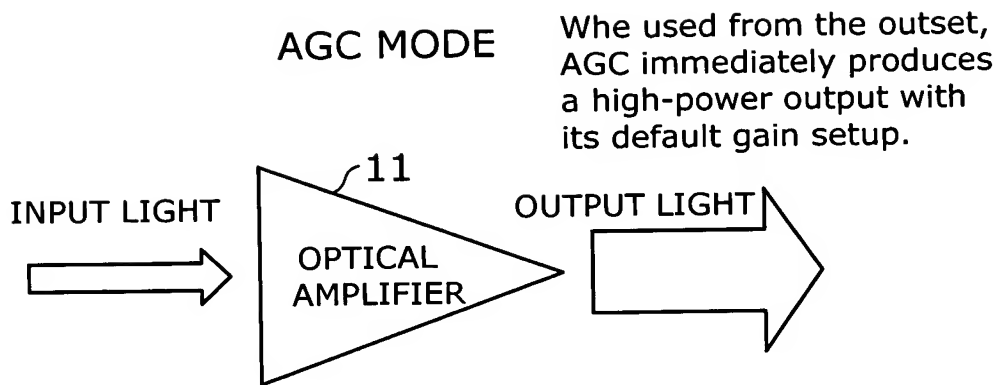


FIG. 12(A)

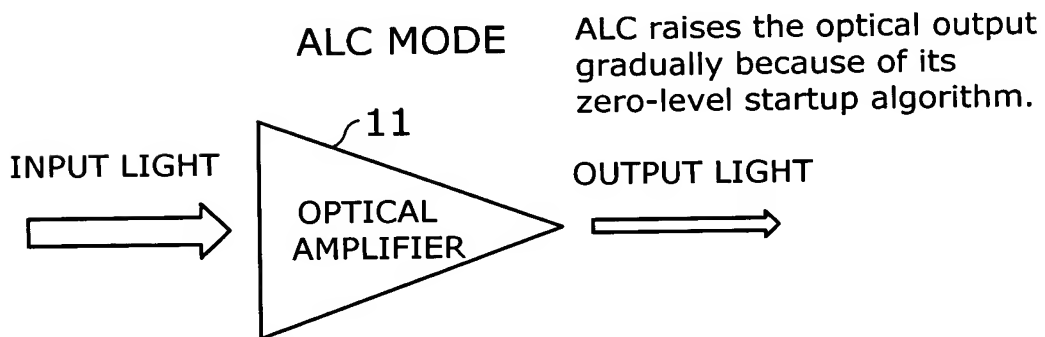


FIG. 12(B)

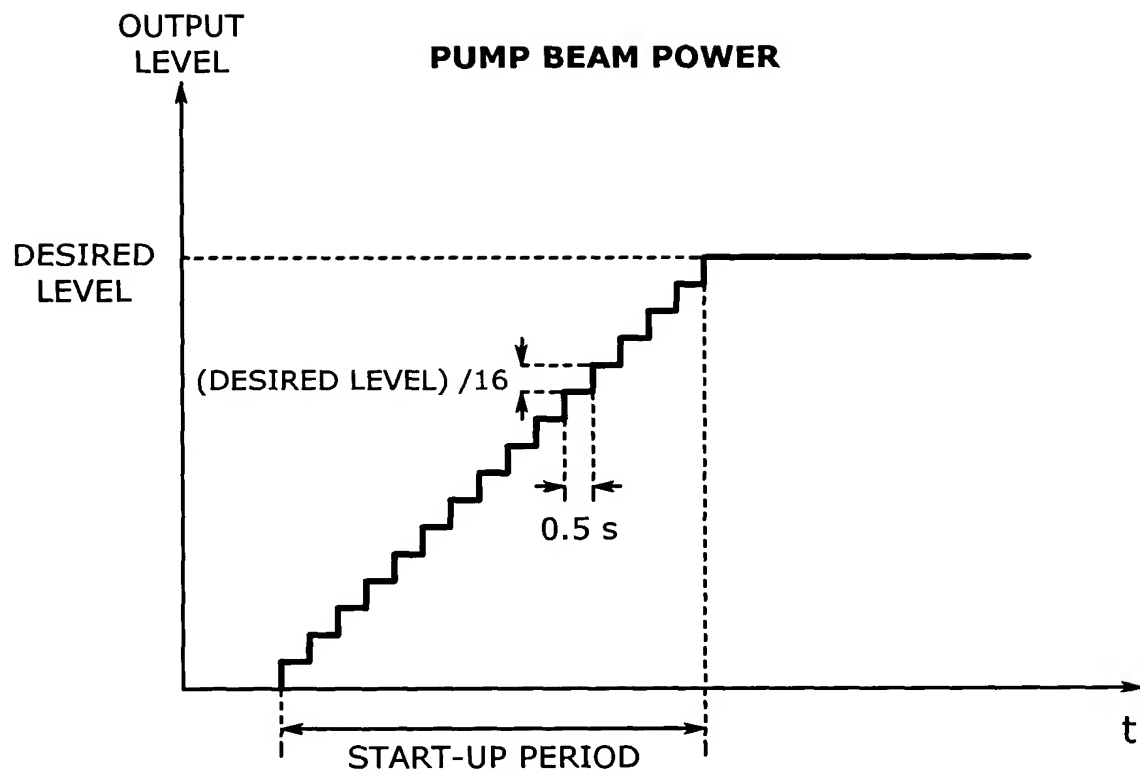


FIG. 13

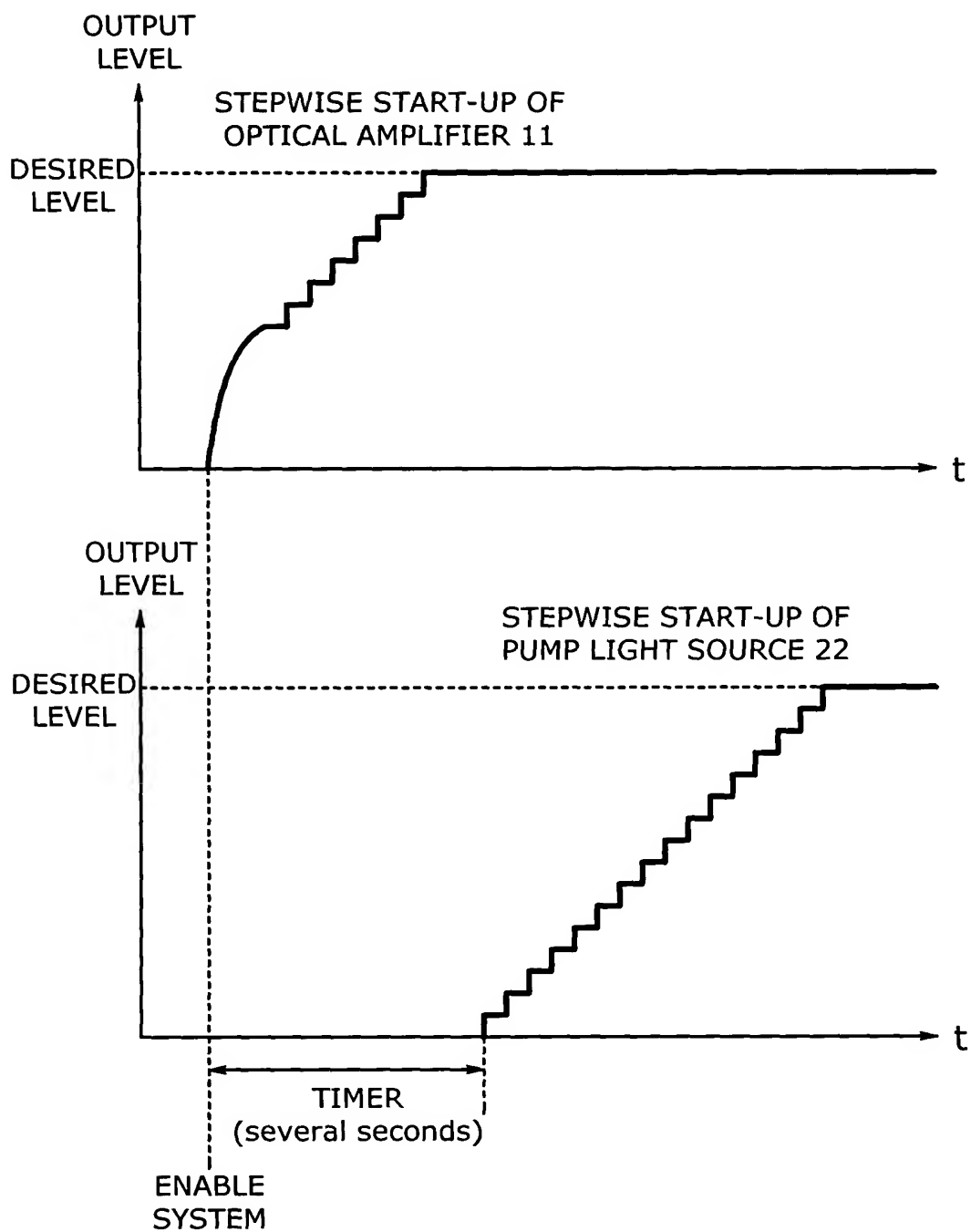


FIG. 14

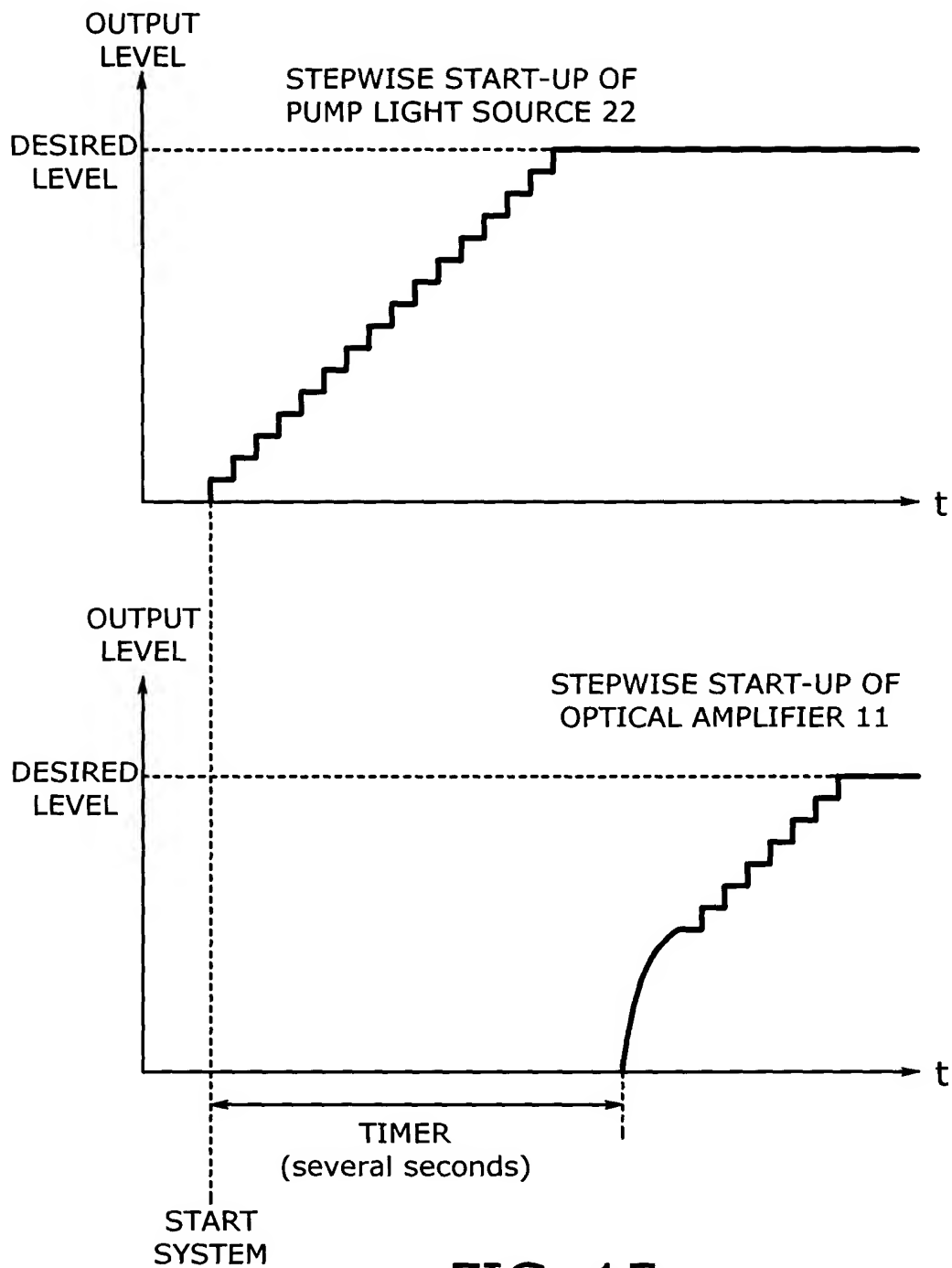


FIG. 15

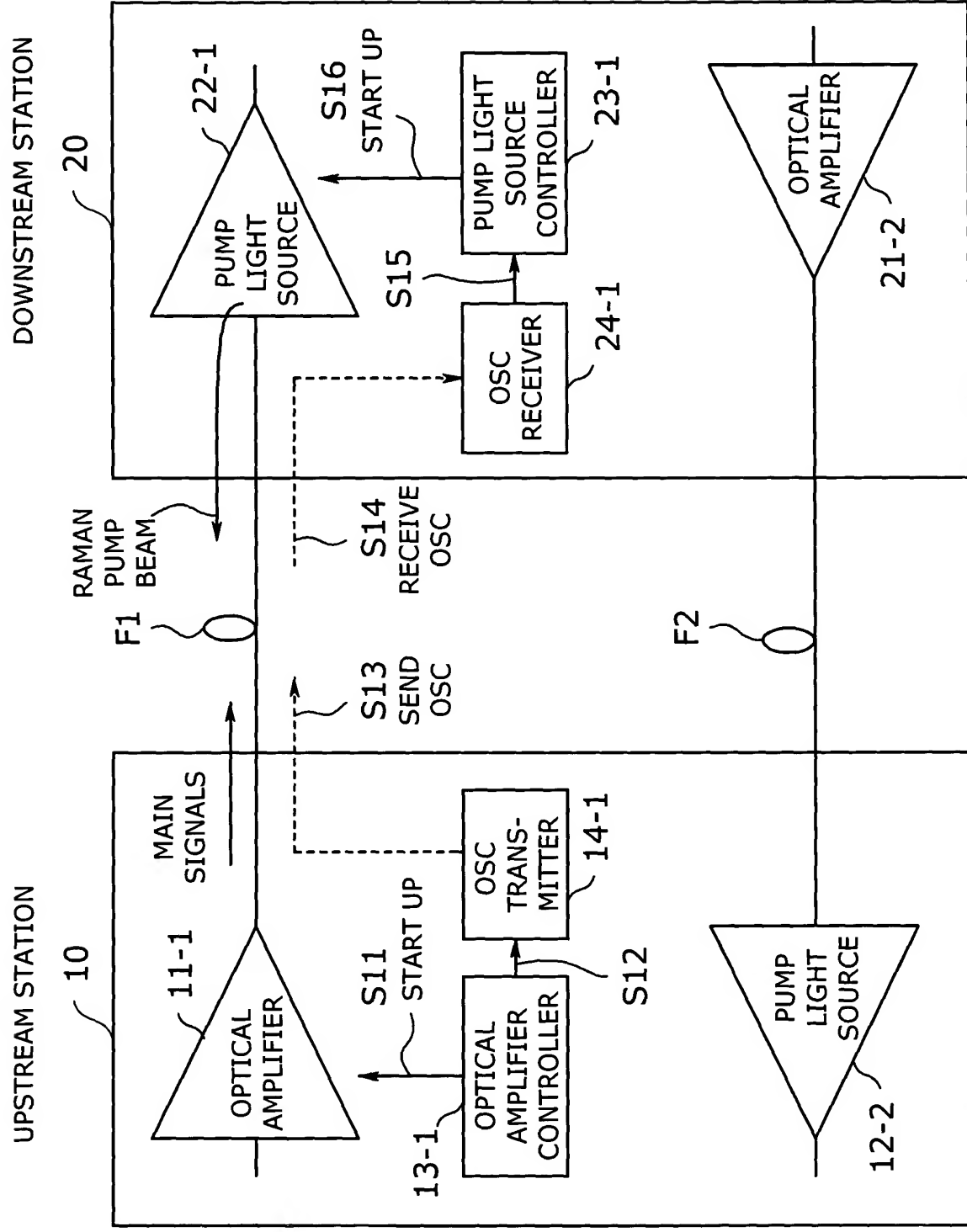


FIG. 16

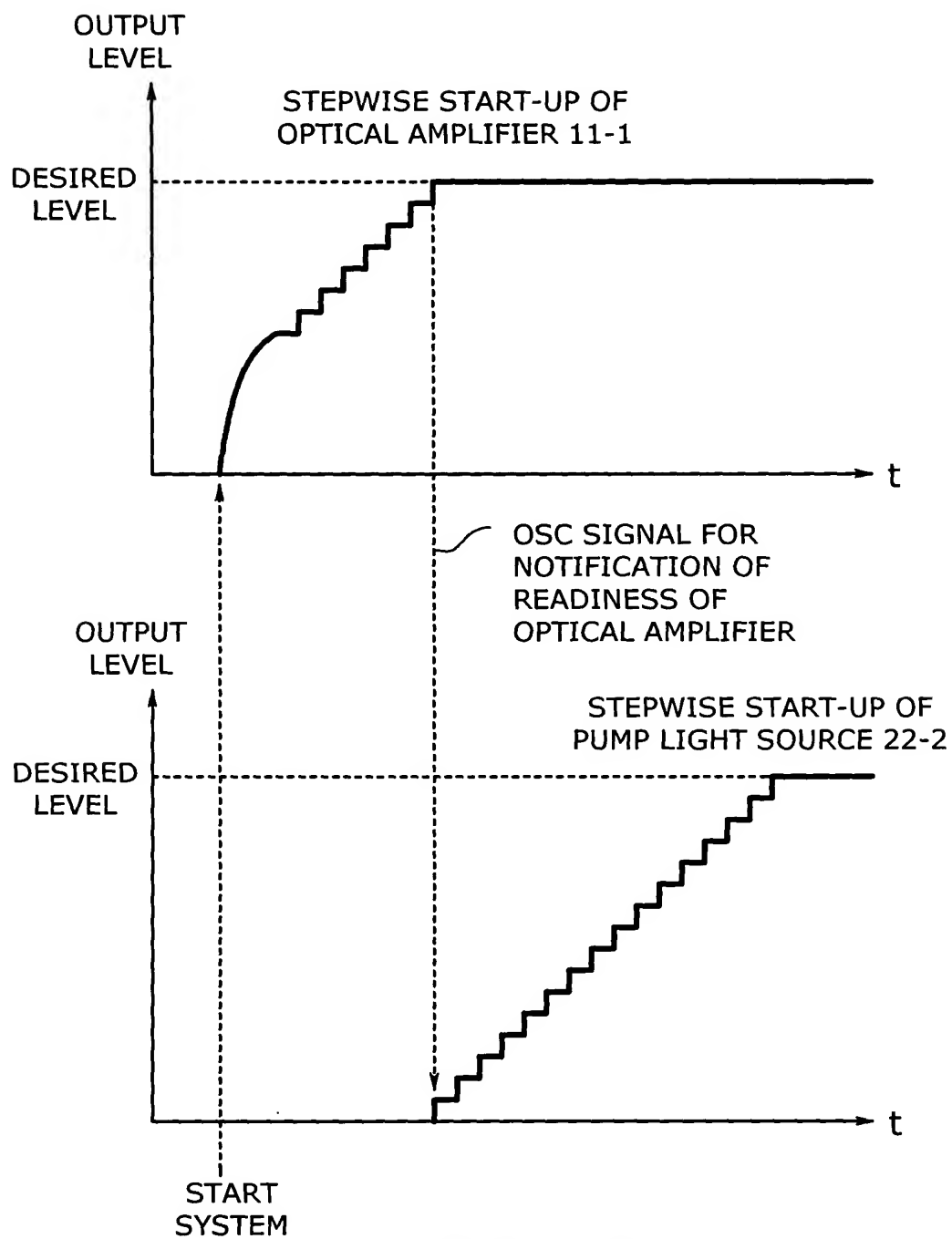


FIG. 17

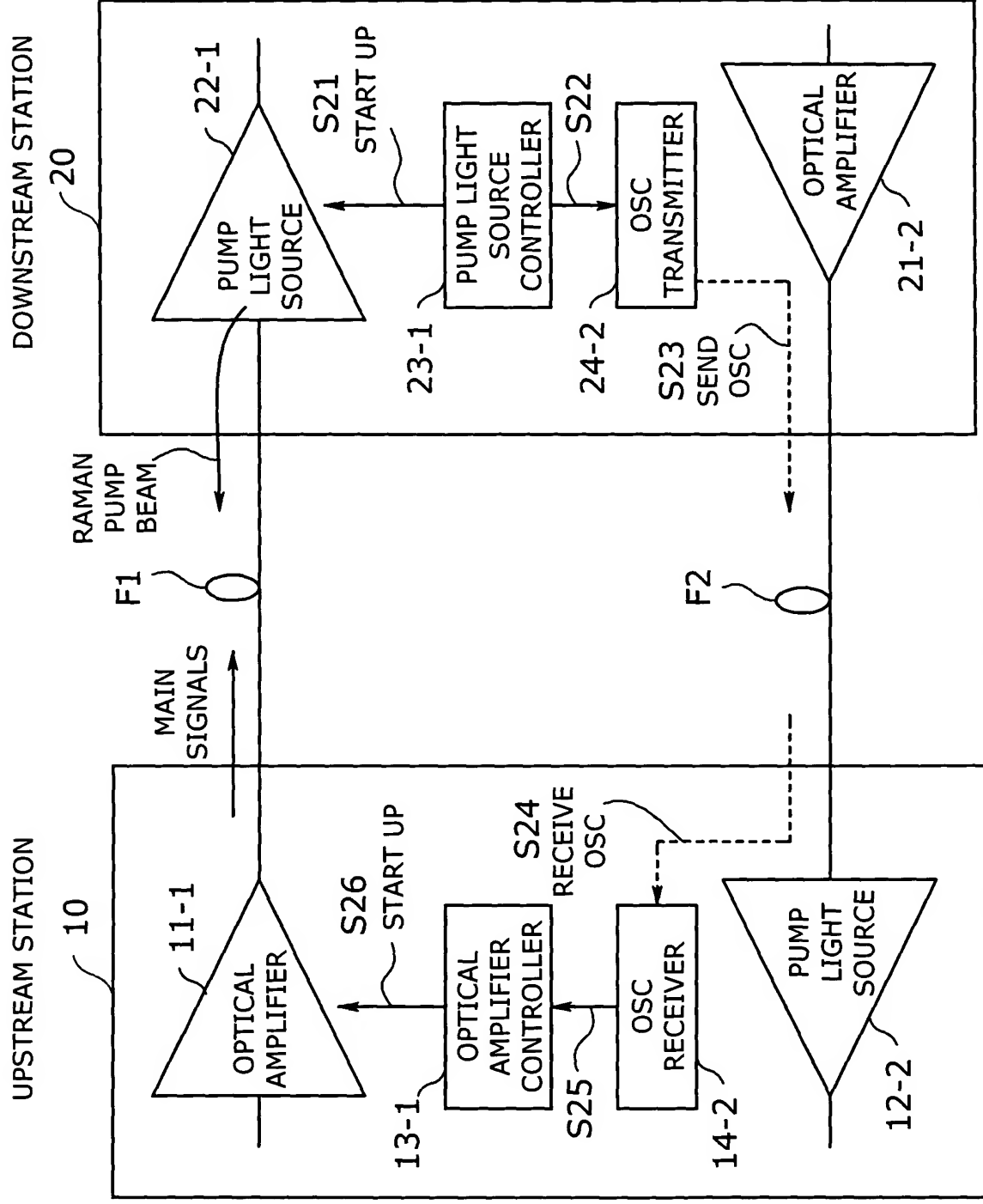


FIG. 18

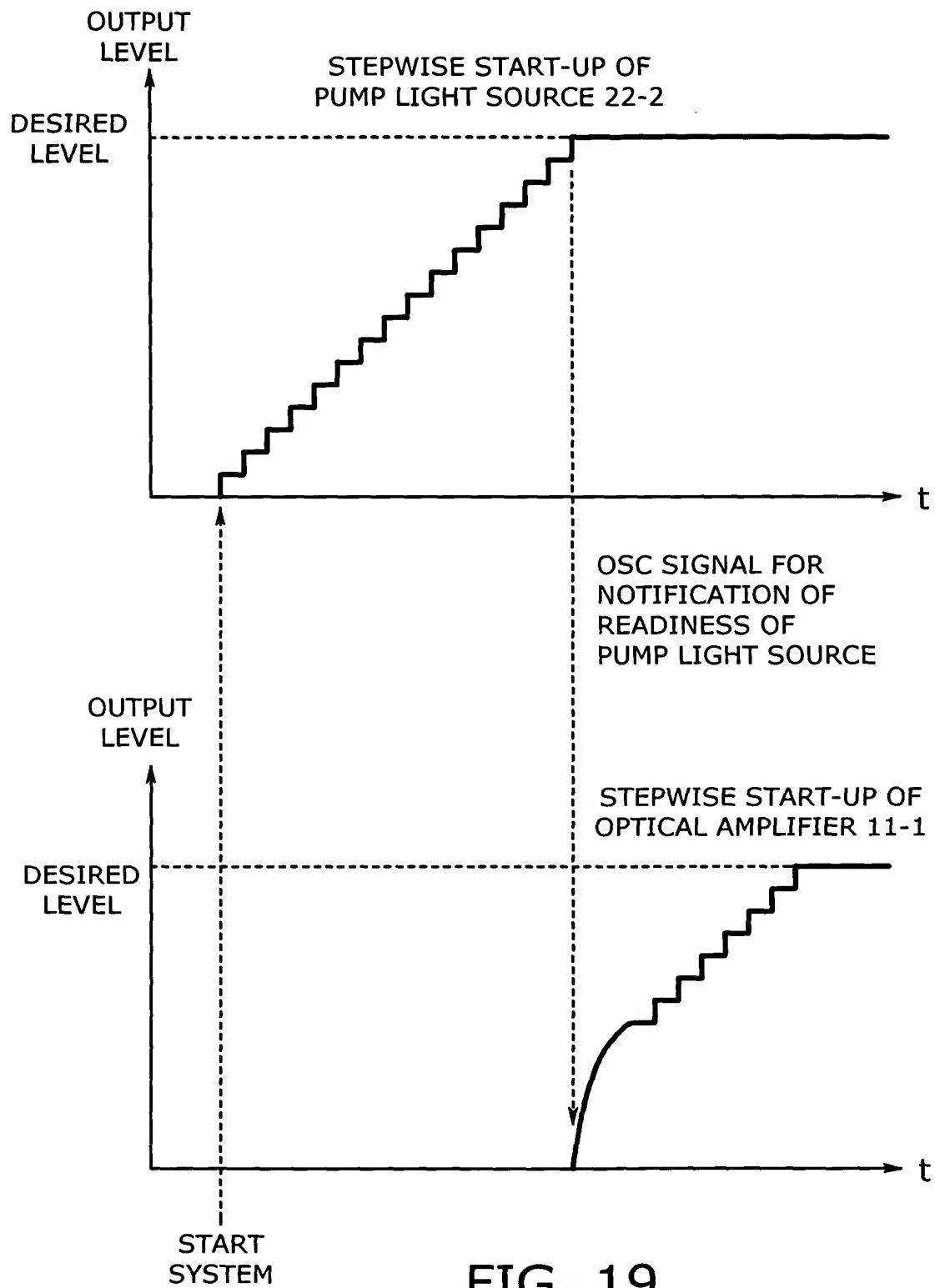


FIG. 19

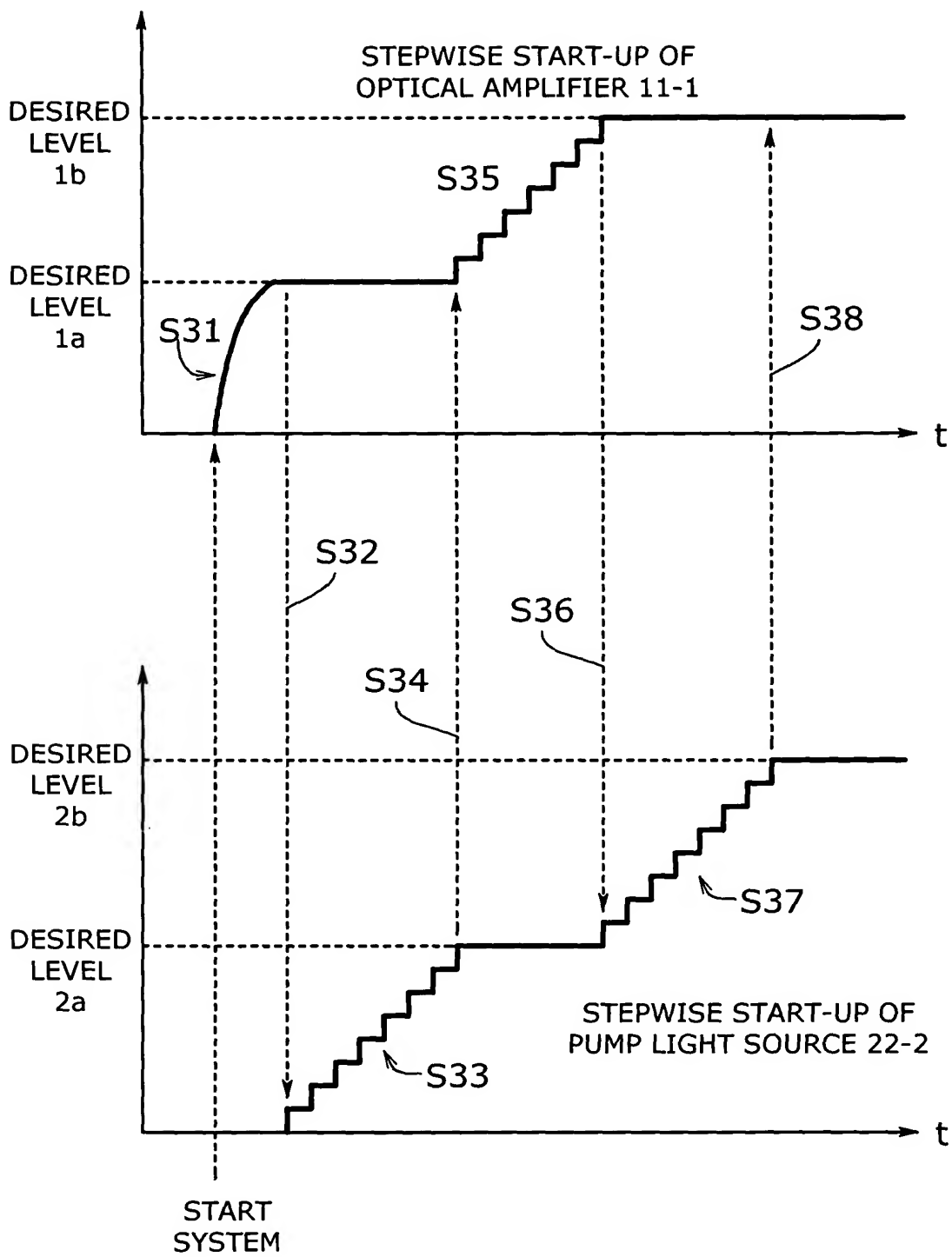


FIG. 20

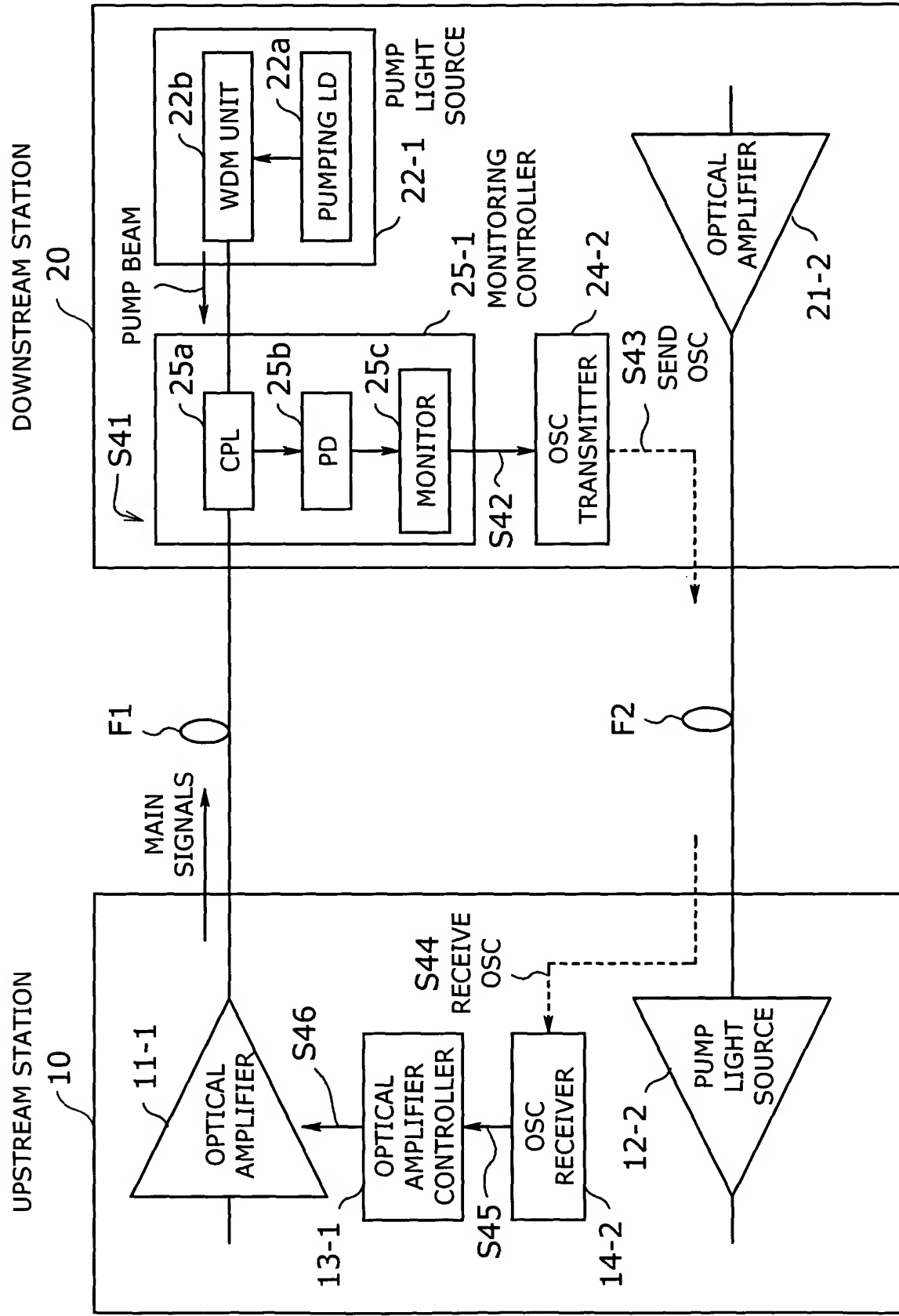


FIG. 21

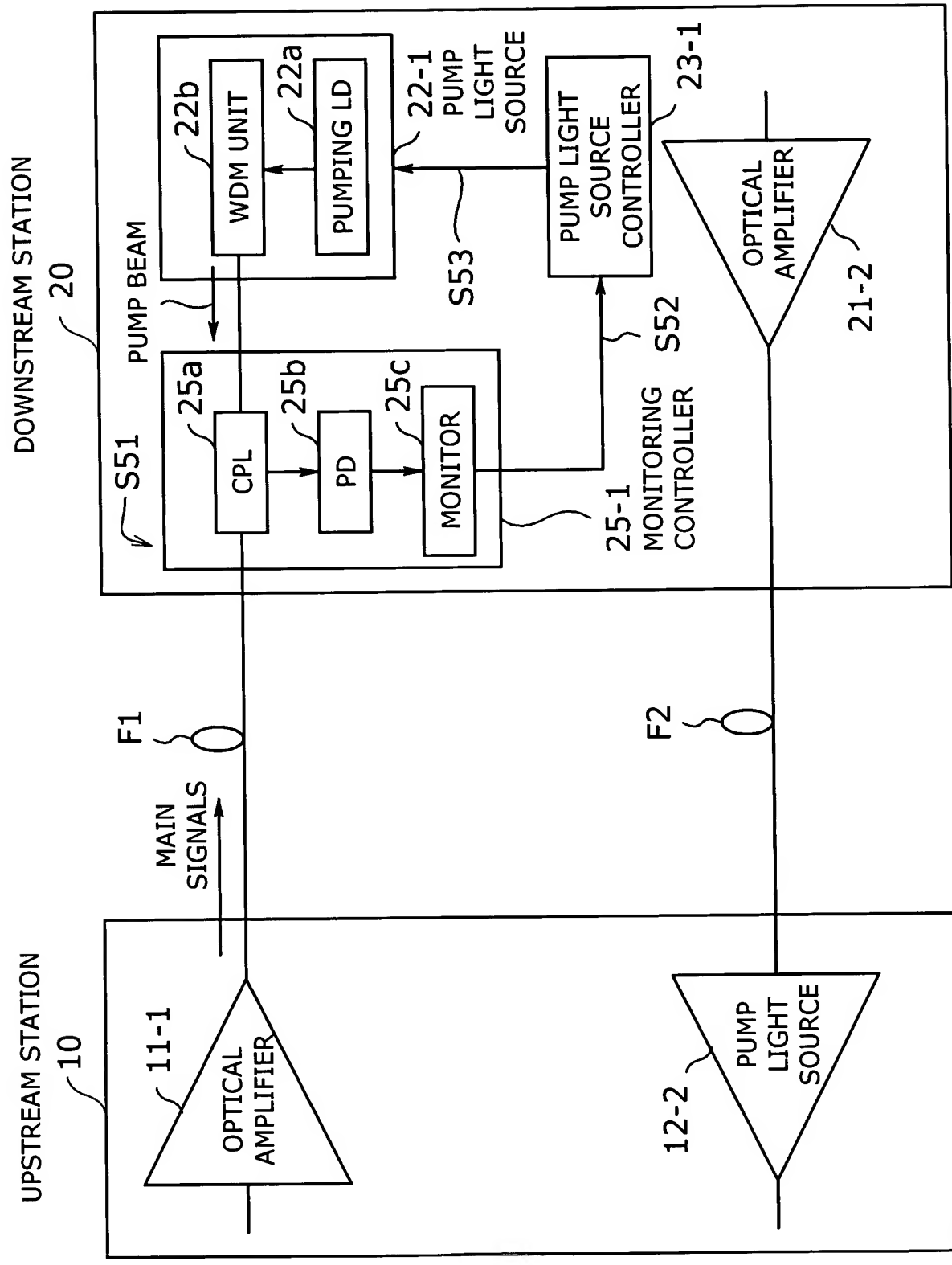


FIG. 22

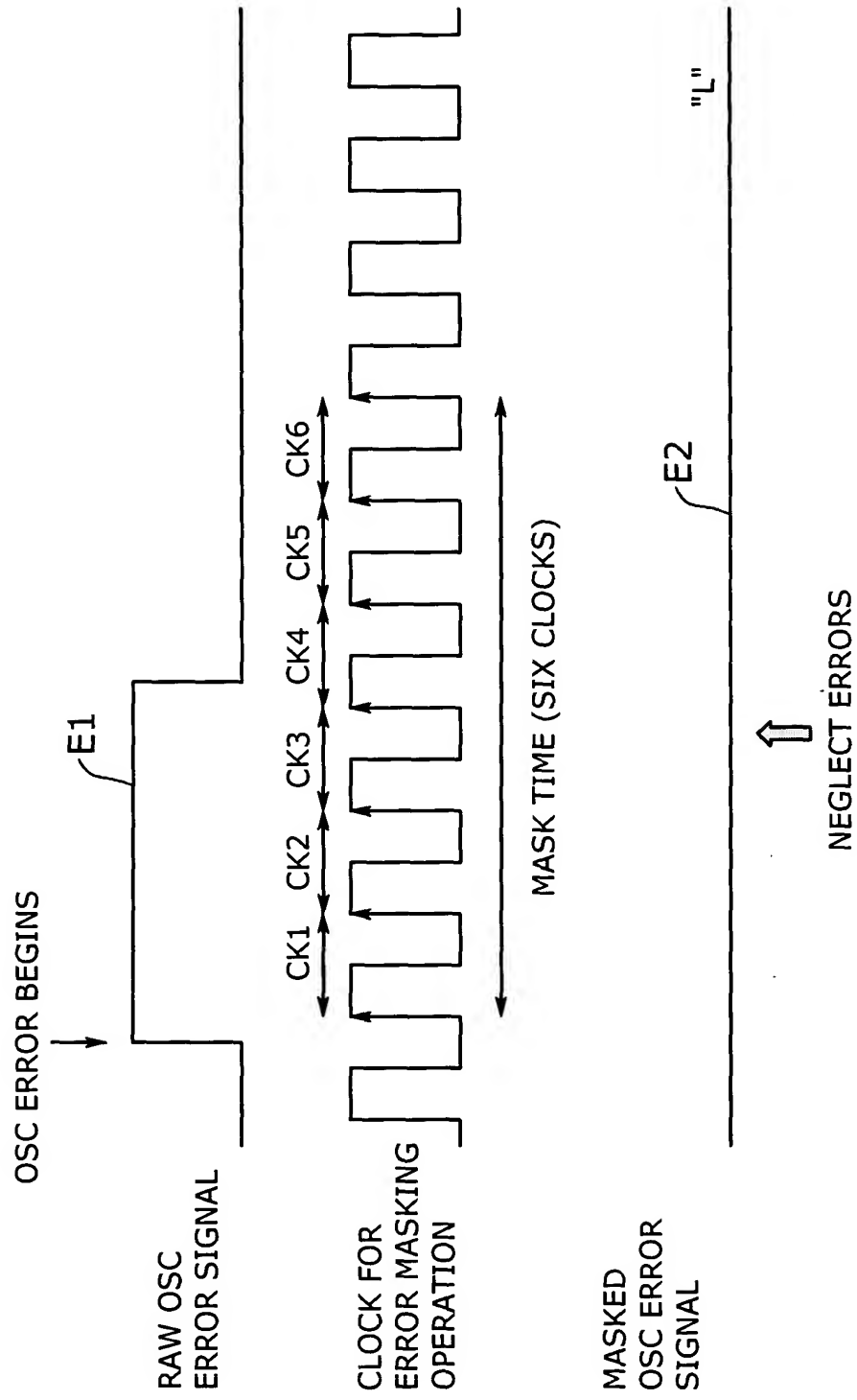


FIG. 23

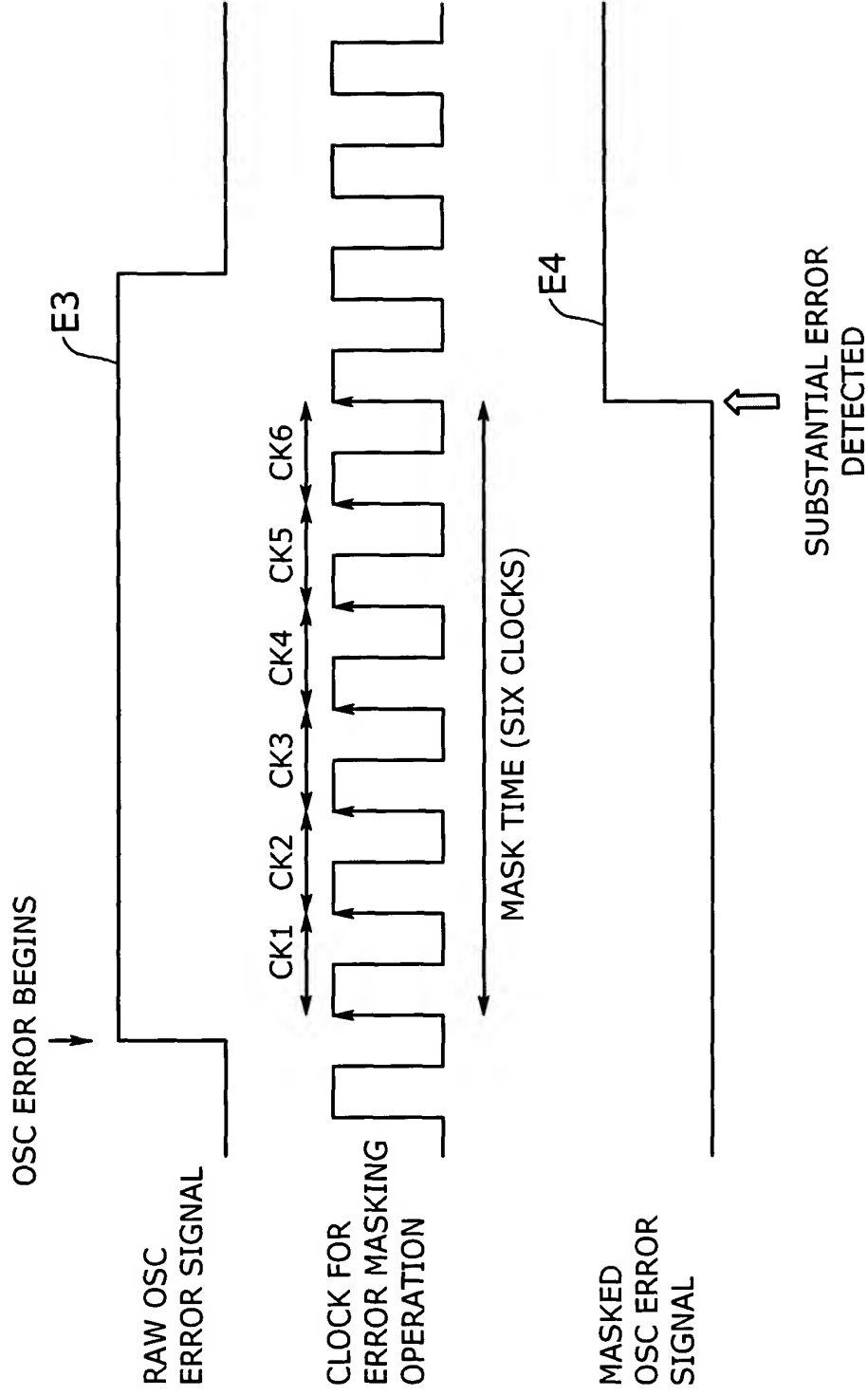


FIG. 24

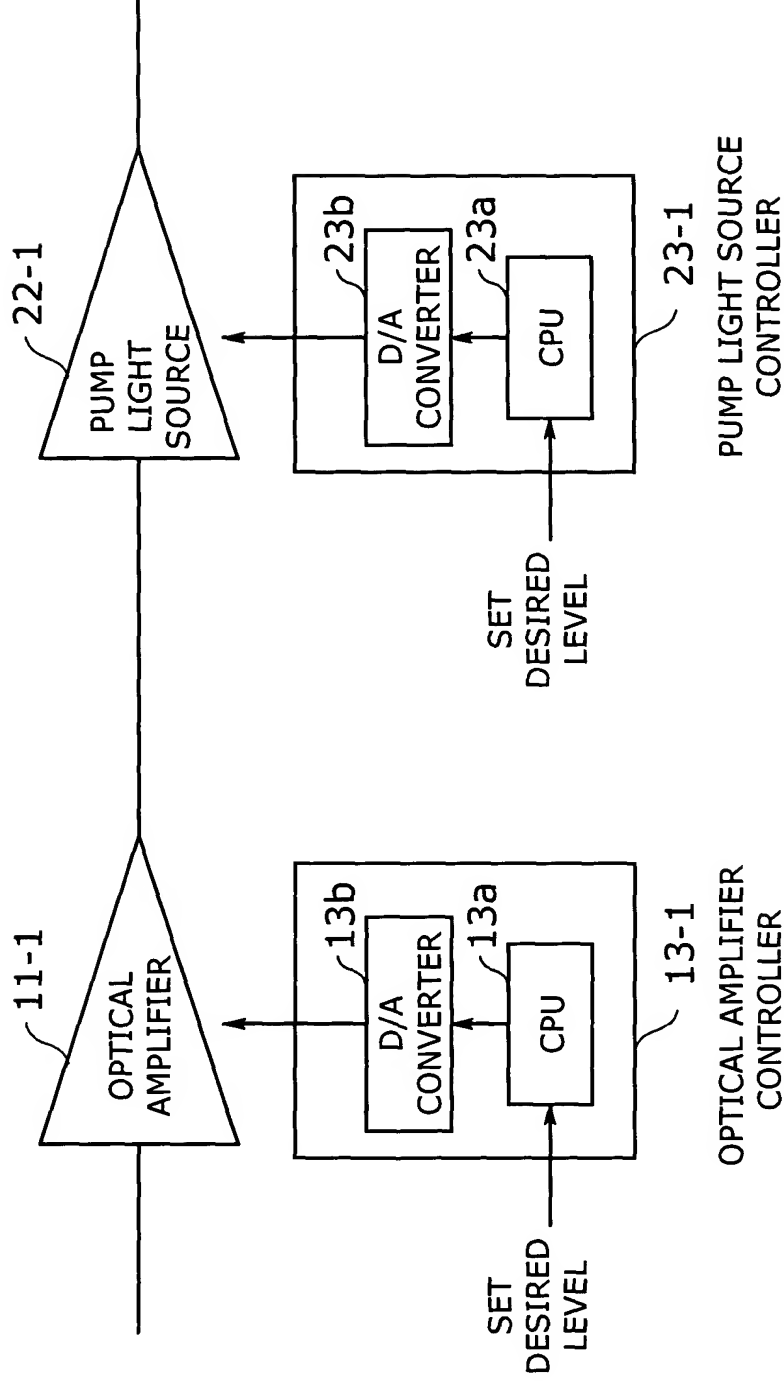


FIG. 25

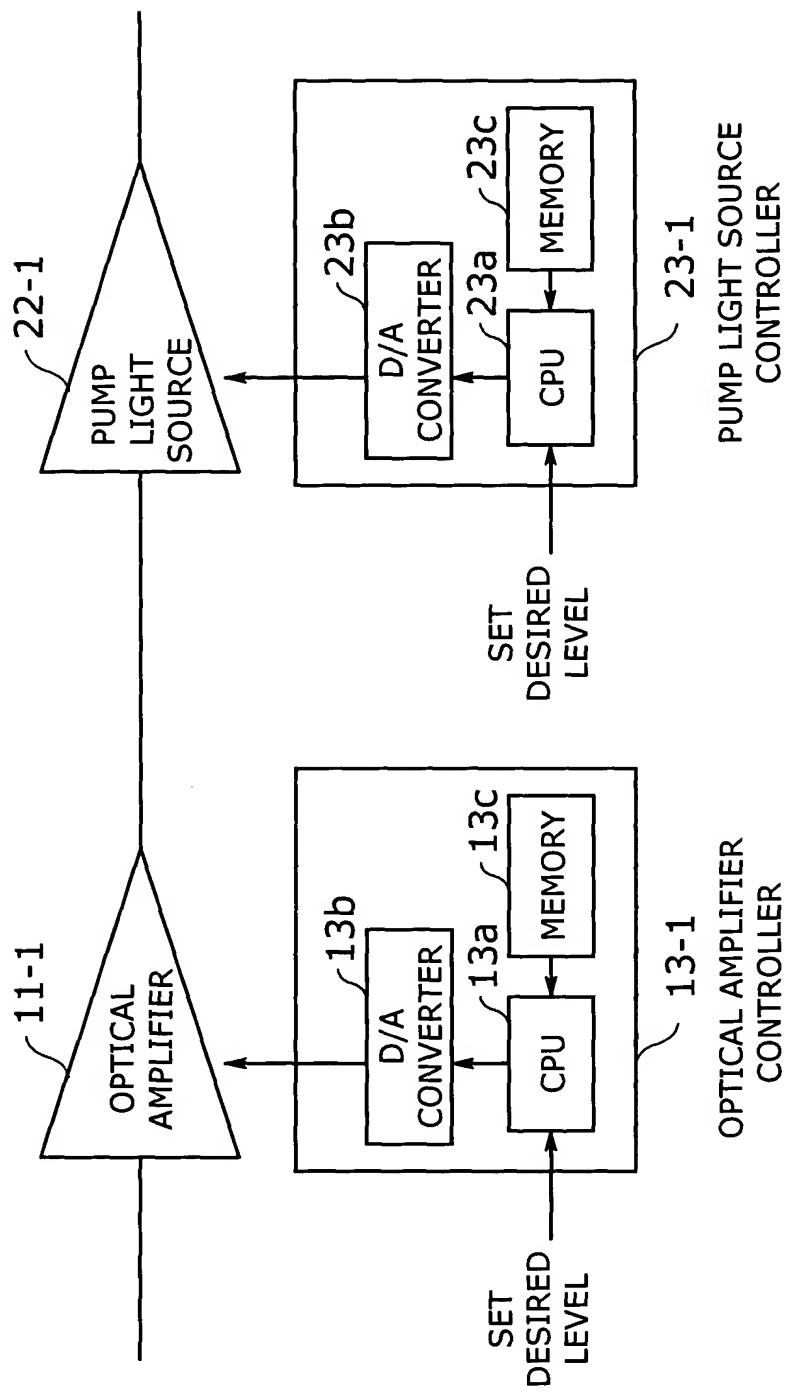


FIG. 26